

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0787	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 0787 Fair	A	4.40				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.05		0.05	1.14%		
Encroachments					2.40	
Animal Control	0.02		0.02	0.46%		
<i>Supplemental</i>						
USACE Erosion Survey	0.02		0.02	0.46%		
LMA Totals:	0.09	0.00	0.09	2.05%	2.40	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2011 Levee Inspection Results

Reclamation District No. 0787 Fair

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 0787 Fair

Waterway			Bank	Unit Miles
Unit No. 01 Colusa Basin Drain			Left	4.40

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/15/2011 - 3/15/2011		10/13/2011 - 10/13/2011	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Raul Perez Rivergarden Farms RD 787		Marty Stripling River Gardens Farm	
	Marty Stripling River Gardens Farm		Roger ? Rivergarden Farms RD 787	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0787 Fair

Waterway						Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 01 Colusa Basin Drain						Left	4.40	10/13/2011 10/13/2011		John Williamson
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.16	0.16	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.797942 ° -121.727177 °	38.797942 ° -121.727177 °	106 Y
2	0.22	0.22	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.797183 ° -121.727947 °	38.797183 ° -121.727947 °	107 Y
3	0.30	0.30	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2011: Large scallops throughout the entire reach. Toe scour due to tree pop-outs, resulting in a steepening slope. The reduced resistive forces plus clay levee may increase the loading. Additional erosion due to human use. [2011 Site ID: CBD_0-5_L]	38.795931 ° -121.730627 °	38.795268 ° -121.732566 °	1 Y
4	0.45	0.45	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.795528 ° -121.731645 °	38.795528 ° -121.731645 °	108 Y
5	0.58	0.58	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2011: Large scallops throughout the entire reach. Toe scour due to tree pop-outs, resulting in a steepening slope. The reduced resistive forces plus clay levee may increase the loading. [2011 Site ID: CBD_0-9_L]	38.795486 ° -121.735647 °	38.796225 ° -121.738902 °	2 Y
6	1.09	1.13	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.797887 ° -121.742839 °	38.798257 ° -121.743356 °	109 Y
7	1.57	2.71	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.801794 ° -121.750204 °	38.809506 ° -121.768979 °	13 Y
8	3.11	4.37	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.812963 ° -121.774880 °	38.822302 ° -121.795295 °	14 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0787 Fair

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	4.40	10/13/2011 10/13/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.16
End Levee Mile	0.16
Location	Land Side
Category	Earthen Levee
Item	Animal Control

There are multiplable rodent holes in the area. A bait program is in place.

johngw_f_20111024_387.jpg



Levee Mile Report Line	2
Start Levee Mile	0.22
End Levee Mile	0.22
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes near the bottom of the the levee slope.

johngw_f_20111024_388.jpg



Levee Mile Report Line	3
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_CBD_0-5_L_1.jpg



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CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0787 Fair

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	4.40	10/13/2011 10/13/2011	John Williamson

Levee Mile Report Line	3
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_CBD_0-5_L_2.jpg



Levee Mile Report Line	3
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3

USACE2011_CBD_0-5_L_3.jpg



Levee Mile Report Line	4
Start Levee Mile	0.45
End Levee Mile	0.45
Location	Water Side
Category	Earthen Levee
Item	Vegetation

The vegetation is taller than 12 inches tall.

john_gw_f_20111024_389.jpg

*** Location**

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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0787 Fair

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	4.40	10/13/2011 10/13/2011	John Williamson

Levee Mile Report Line	5
Start Levee Mile	0.58
End Levee Mile	0.58
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_CBD_0-9_L_1.jpg



Levee Mile Report Line	5
Start Levee Mile	0.58
End Levee Mile	0.58
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_CBD_0-9_L_2.jpg



Levee Mile Report Line	5
Start Levee Mile	0.58
End Levee Mile	0.58
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3

USACE2011_CBD_0-9_L_3.jpg

*** Location**

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Reclamation District No. 0787 Fair

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	4.40	10/13/2011 10/13/2011	John Williamson

Levee Mile Report Line	5
Start Levee Mile	0.58
End Levee Mile	0.58
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #4

USACE2011_CBD_0-9_L_4.jpg



Levee Mile Report Line	6
Start Levee Mile	1.09
End Levee Mile	1.13
Location	Water Side
Category	Earthen Levee
Item	Vegetation

The vegetation is taller than 12 inches.

johngw_f_20111024_390.jpg



Levee Mile Report Line	7
Start Levee Mile	1.57
End Levee Mile	2.71
Location	Land Side
Category	Earthen Levee
Item	Encroachments

ag. ditch runs along land side the distance of the district

johngw_f_20110923_264.jpg

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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Reclamation District No. 0787 Fair

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	4.40	10/13/2011 10/13/2011	John Williamson

Levee Mile Report Line	7
Start Levee Mile	1.57
End Levee Mile	2.71
Location	Land Side
Category	Earthen Levee
Item	Encroachments

A view of the agricultural ditch in the fall of 2011.

johngw_f_20111024_391.jpg



Levee Mile Report Line	8
Start Levee Mile	3.11
End Levee Mile	4.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments

ditch along landside toe

johngw_f_20110923_265.jpg



Levee Mile Report Line	8
Start Levee Mile	3.11
End Levee Mile	4.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments

A current view of the agricultural ditch photo taken in fall of 2011.

johngw_f_20111024_392.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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